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(54) Title: NUCLEATED THERMOPLASTIC ELASTOMER COMPOSITIONS AND RELATED METHODS

(57) Abstract: The use of a nucleating agent in propylene-based thermoplastic elastomer, preferably a propylene-based thermoplastic vulcanizate, is disclosed. The nucleating agent promotes the formation of nucleation sites for crystal growth with the thermoplastic phase. The use of the nucleating agent can reduce crystal size with a thermoplastic phase of the thermoplastic elastomer or vulcanizate and can also increase production efficiency when melt-processing thermoplastic elastomer compositions and articles therefrom.